# LEMON ESSENTIAL OIL 100% pure and natural ITALY

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 5/8/2021 Revision date: 7/5/2022 Supersedes version of: 4/29/2022 Version: 1.5

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

| | |
|---|---|
| Product form | : Substance |
| Trade name | : LEMON ESSENTIAL OIL 100% pure and natural ITALY |
| EC-No. | : 284-515-8 |
| CAS-No. | : 84929-31-7 |
| Type of product | : UVCB substance |

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Use of the substance/mixture : Aromatic raw material for professional use.

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

**Supplier**

Albert Vieille SAS
629 Route de Grasse
BP 217
06227 VALLAURIS - FRANCE
T 04 93 64 16 72 - F 04 93 64 80 07
info@albertvieille.com

### 1.4. Emergency telephone number

No additional information available

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

| | |
|---|---|
| Flammable liquids, Category 3 | H226 |
| Skin corrosion/irritation, Category 2 | H315 |
| Skin sensitisation, Category 1 | H317 |
| Reproductive toxicity, Category 2 | H361 |
| Aspiration hazard, Category 1 | H304 |
| Hazardous to the aquatic environment – Acute Hazard, Category 1 | H400 |
| Hazardous to the aquatic environment – Chronic Hazard, Category 2 | H411 |

Full text of H- and EUH-statements: see section 16

**Adverse physicochemical, human health and environmental effects**

Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. May be fatal if swallowed and enters airways. Very toxic to aquatic life with long lasting effects.

### 2.2. Label elements

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :

GHS02 GHS07 GHS08 GHS09

Signal word (CLP) : Danger

Hazardous ingredients : beta-Pinene, alpha-Pinene, gamma-Terpinene, Myrcene, Geranial, Terpinolene, dipentene; limonene

Hazard statements (CLP) : H226 - Flammable liquid and vapour.
H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H361 - Suspected of damaging fertility or the unborn child.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P201 - Obtain special instructions before use.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.
P391 - Collect spillage.

### 2.3. Other hazards
Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

## SECTION 3: Composition/information on ingredients
### 3.1. Substances
Name : LEMON ESSENTIAL OIL 100% pure and natural ITALY
CAS-No. : 84929-31-7
EC-No. : 284-515-8

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| dipentene; limonene | (CAS-No.) 138-86-3<br>(EC-No.) 205-341-0<br>(EC Index-No.) 601-029-00-7 | ≤ 68 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 3, H412 |
| beta-Pinene | (CAS-No.) 127-91-3<br>(EC-No.) 204-872-5 | ≤ 17 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| gamma-Terpinene | (CAS-No.) 99-85-4<br>(EC-No.) 202-794-6 | ≤ 12 | Flam. Liq. 3, H226<br>Repr. 2, H361<br>Asp. Tox. 1, H304 |
| alpha-Pinene | (CAS-No.) 80-56-8<br>(EC-No.) 201-291-9 | ≤ 3 | Flam. Liq. 3, H226<br>Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| Myrcene | (CAS-No.) 123-35-3<br>(EC-No.) 204-622-5 | ≤ 2 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411 |
| Geranial | (CAS-No.) 141-27-5<br>(EC-No.) 205-476-5 | ≤ 2 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1B, H317 |
| Terpinolene | (CAS-No.) 586-62-9<br>(EC-No.) 209-578-0 | ≤ 0.5 | Skin Sens. 1B, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| 2,6-Octadien-1-ol,3,7-dimethyl-,(2Z)- | (CAS-No.) 106-25-2<br>(EC-No.) 203-378-7 | ≤ 0.05 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1B, H317 |
| Geraniol | (CAS-No.) 106-24-1<br>(EC-No.) 203-377-1 | ≤ 0.05 | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317 |

Comments : Analysis method : gas chromatography (GC/FID) area % according to normalization method (ISO 7609 and 11024)

Full text of H- and EUH-statements: see section 16

### 3.2. Mixtures
Not applicable

## SECTION 4: First aid measures
### 4.1. Description of first aid measures
First-aid measures general : Call a doctor immediately.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Do not induce vomiting. Call a doctor immediately.

### 4.2. Most important symptoms and effects, both acute and delayed
Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

Symptoms/effects after ingestion : Risk of lung oedema.

### 4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

## SECTION 5: Firefighting measures
### 5.1. Extinguishing media
Suitable extinguishing media : Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use water jet.

### 5.2. Special hazards arising from the substance or mixture
Fire hazard : Flammable liquid and vapour.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures
### 6.1. Personal precautions, protective equipment and emergency procedures
#### 6.1.1. For non-emergency personnel
Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

#### 6.1.2. For emergency responders
Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions
Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up
For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections
For further information refer to section 13.

## SECTION 7: Handling and storage
### 7.1. Precautions for safe handling
Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities
Technical measures : Ground/bond container and receiving equipment.

Storage conditions : dry, well ventilated, preferably hermetically sealed. Store at ambient temperature 10-30°C (50-85°F). Keep contents under nitrogen.

### 7.3. Specific end use(s)
No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

**Appropriate engineering controls:**

Ensure good ventilation of the work station.

| **Hand protection:** |
|---|
| Protective gloves |

| **Eye protection:** |
|---|
| Safety glasses |

| **Skin and body protection:** |
|---|
| Wear suitable protective clothing |

| **Respiratory protection:** |
|---|
| In case of insufficient ventilation, wear suitable respiratory equipment |

**Personal protective equipment symbol(s):**

**Environmental exposure controls:**

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | |
|---|---|
| Physical state | : Liquid |
| Appearance | : liquid at room temperature. cloudy can appear. |
| Colour | : yellow to greenish yellow. |
| Odour | : citrus-like. fresh. zesty. |
| Odour threshold | : No data available |
| pH | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : Not applicable |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : 46 °C |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Not applicable |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : 0.850 – 0.858 |
| Solubility | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic | : < 20 mm²/s |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

### 9.2. Other information

| | |
|---|---|
| Refractive index | : 1.47 – 1.476 |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Flammable liquid and vapour.

### 10.2. Chemical stability
Stable under normal conditions.

### 10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid
Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials
No additional information available

### 10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects
Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

| LEMON ESSENTIAL OIL 100% pure and natural ITALY (84929-31-7) | |
|---|---|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg |

| beta-Pinene (127-91-3) | |
|---|---|
| LD50 oral rat | 4700 mg/kg Source: NLM,THOMSON |

| alpha-Pinene (80-56-8) | |
|---|---|
| LD50 oral rat | 2100 mg/kg Source: International Uniform ChemicaL Information Database |

| 2,6-Octadien-1-ol,3,7-dimethyl-,(2Z)- (106-25-2) | |
|---|---|
| LD50 oral rat | 4500 mg/kg Source: IUCLID,NLM,THOMSON |
| LD50 dermal rabbit | > 5000 mg/kg Source: IUCLID,NLM,THOMSON |

| Geraniol (106-24-1) | |
|---|---|
| LD50 oral rat | 3600 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg Source: IUCLID,NLM,THOMSON |

| Myrcene (123-35-3) | |
|---|---|
| LD50 oral rat | > 11390 mg/kg bodyweight Animal: rat |
| LD50 oral | > 3380 mg/kg bodyweight Animal: mouse |
| LD50 dermal rabbit | > 5000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

| Geranial (141-27-5) | |
|---|---|
| LD50 dermal rat | > 2000 mg/kg Source: ECHA |

| Terpinolene (586-62-9) | |
|---|---|
| LD50 oral rat | 4.39 ml/kg Source: ECHA |
| LD50 dermal rabbit | > 4300 mg/kg Source: ECHA |

| dipentene; limonene (138-86-3) | |
|---|---|
| LD50 dermal rabbit | 5000 mg/kg Source: National Library of Medicine/Hazardous Substances Data Bank |

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : May cause an allergic skin reaction.

| | |
|---|---|
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Suspected of damaging fertility or the unborn child. |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |

| Myrcene (123-35-3) | |
|---|---|
| LOAEL (oral, rat, 90 days) | 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| NOAEL (subchronic, oral, animal/male, 90 days) | 500 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| NOAEL (subchronic, oral, animal/female, 90 days) | 250 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |

Aspiration hazard : May be fatal if swallowed and enters airways.

| LEMON ESSENTIAL OIL 100% pure and natural ITALY (84929-31-7) | |
|---|---|
| Viscosity, kinematic | < 20 mm²/s |

## SECTION 12: Ecological information

### 12.1. Toxicity

| | |
|---|---|
| Ecology - general | : Very toxic to aquatic life with long lasting effects. |
| Hazardous to the aquatic environment, short–term (acute) | : Very toxic to aquatic life. |
| Hazardous to the aquatic environment, long–term (chronic) | : Toxic to aquatic life with long lasting effects. |

| beta-Pinene (127-91-3) | |
|---|---|
| LC50 - Fish [1] | 0.624 mg/l Source: ECOSAR |

| alpha-Pinene (80-56-8) | |
|---|---|
| LC50 - Fish [1] | 0.28 mg/l Source: International Uniform ChemicaL Information Database |

| 2,6-Octadien-1-ol,3,7-dimethyl-,(2Z)- (106-25-2) | |
|---|---|
| LC50 - Fish [1] | 0.572 mg/l Source: ECOSAR |

| Geraniol (106-24-1) | |
|---|---|
| LC50 - Fish [1] | 3.7 mg/l Source: ECOTOX |

| Myrcene (123-35-3) | |
|---|---|
| LC50 - Fish [1] | 0.92 mg/l Source: NITE |
| EC50 - Crustacea [1] | 1.47 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | 0.342 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| EC50 72h - Algae [2] | 0.31 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |

| Geranial (141-27-5) | |
|---|---|
| LC50 - Fish [1] | 6.78 mg/l Source: ECHA |
| EC50 72h - Algae [1] | 103.8 mg/l Source: ECHA |

| Terpinolene (586-62-9) | |
|---|---|
| LC50 - Fish [1] | 0.72 mg/l Source: National Library of Medicine/Hazardous Substances Data Bank |
| EC50 - Crustacea [1] | 0.612 mg/l Source: National Library of Medicine/Hazardous Substances Data Bank |

| dipentene; limonene (138-86-3) | |
|---|---|
| LC50 - Fish [1] | 38.5 mg/l Source: HSDB |
| EC50 - Crustacea [1] | 17 mg/l Source: The ECOTOXicology database |
| EC50 96h - Algae [1] | 0.212 mg/l Source: Ecological Structure Activity Relationships |

### 12.2. Persistence and degradability
No additional information available

### 12.3. Bioaccumulative potential

| beta-Pinene (127-91-3) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 4.16 |

| alpha-Pinene (80-56-8) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 4.834 Source: International Uniform ChemicaL Information Database |

| 2,6-Octadien-1-ol,3,7-dimethyl-,(2Z)- (106-25-2) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 3.47 |

| Geraniol (106-24-1) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 3.56 |

| Myrcene (123-35-3) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 4.17 |

| Geranial (141-27-5) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 3.4453 Source: ECHA |

| Terpinolene (586-62-9) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 4.47 Source: National Library of Medicine/Hazardous Substances Data Bank |

| dipentene; limonene (138-86-3) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 4.57 Source: Hazardous Substances Data Bank |

### 12.4. Mobility in soil

| alpha-Pinene (80-56-8) | |
|---|---|
| Mobility in soil | 2600 Source: HSDB |

### 12.5. Results of PBT and vPvB assessment
No additional information available

### 12.6. Other adverse effects
No additional information available

## SECTION 13: Disposal considerations
### 13.1. Waste treatment methods
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information : Flammable vapours may accumulate in the container.

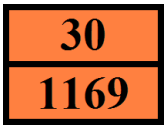
## SECTION 14: Transport information
In accordance with ADR / IMDG / IATA / ADN / RID

| ADR | IMDG | IATA | ADN | RID |
|---|---|---|---|---|
| **14.1. UN number** | | | | |
| UN 1169 | UN 1169 | UN 1169 | UN 1169 | UN 1169 |

| 14.2. UN proper shipping name | | | | |
|---|---|---|---|---|
| EXTRACTS, AROMATIC, LIQUID (beta-Pinene) | EXTRACTS, AROMATIC, LIQUID (dipentene; limonene) | Extracts, aromatic, liquid (dipentene; limonene) | EXTRACTS, AROMATIC, LIQUID (dipentene; limonene) | EXTRACTS, AROMATIC, LIQUID (dipentene; limonene) |
| **Transport document description** | | | | |
| UN 1169 EXTRACTS, AROMATIC, LIQUID (beta-Pinene), 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS | UN 1169 EXTRACTS, AROMATIC, LIQUID (dipentene; limonene), 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS | UN 1169 Extracts, aromatic, liquid (dipentene; limonene), 3, III, ENVIRONMENTALLY HAZARDOUS | UN 1169 EXTRACTS, AROMATIC, LIQUID (dipentene; limonene), 3, III, ENVIRONMENTALLY HAZARDOUS | UN 1169 EXTRACTS, AROMATIC, LIQUID (dipentene; limonene), 3, III, ENVIRONMENTALLY HAZARDOUS |
| **14.3. Transport hazard class(es)** | | | | |
| 3 | 3 | 3 | 3 | 3 |
| **14.4. Packing group** | | | | |
| III | III | III | III | III |
| **14.5. Environmental hazards** | | | | |
| Dangerous for the environment : Yes | Dangerous for the environment : Yes<br>Marine pollutant : Yes | Dangerous for the environment : Yes | Dangerous for the environment : Yes | Dangerous for the environment : Yes |
| Marine Pollutant : Dipentene, limonene | | | | |

## 14.6. Special precautions for user

**Overland transport**

| | |
|---|---|
| Classification code (ADR) | : F1 |
| Special provisions (ADR) | : 601 |
| Limited quantities (ADR) | : 5l |
| Excepted quantities (ADR) | : E1 |
| Packing instructions (ADR) | : P001, IBC03, LP01, R001 |
| Mixed packing provisions (ADR) | : MP19 |
| Portable tank and bulk container instructions (ADR) | : T2 |
| Portable tank and bulk container special provisions (ADR) | : TP1 |
| Tank code (ADR) | : LGBF |
| Vehicle for tank carriage | : FL |
| Transport category (ADR) | : 3 |
| Special provisions for carriage - Packages (ADR) | : V12 |
| Special provisions for carriage - Operation (ADR) | : S2 |
| Hazard identification number (Kemler No.) | : 30 |
| Orange plates | :  |
| Tunnel restriction code (ADR) | : D/E |
| EAC code | : 3YE |

**Transport by sea**

| | |
|---|---|
| Special provisions (IMDG) | : 223, 955 |
| Limited quantities (IMDG) | : 5 L |
| Excepted quantities (IMDG) | : E1 |
| Packing instructions (IMDG) | : P001, LP01 |
| IBC packing instructions (IMDG) | : IBC03 |
| Tank instructions (IMDG) | : T2 |
| Tank special provisions (IMDG) | : TP1 |
| EmS-No. (Fire) | : F-E |
| EmS-No. (Spillage) | : S-D |
| Stowage category (IMDG) | : A |
| Properties and observations (IMDG) | : Usually consist of alcoholic solutions. Miscibility with water depends upon the composition. |

**Air transport**

| | |
|---|---|
| PCA Excepted quantities (IATA) | : E1 |
| PCA Limited quantities (IATA) | : Y344 |
| PCA limited quantity max net quantity (IATA) | : 10L |
| PCA packing instructions (IATA) | : 355 |
| PCA max net quantity (IATA) | : 60L |
| CAO packing instructions (IATA) | : 366 |
| CAO max net quantity (IATA) | : 220L |
| Special provisions (IATA) | : A3 |
| ERG code (IATA) | : 3L |

**Inland waterway transport**

| | |
|---|---|
| Classification code (ADN) | : F1 |
| Special provisions (ADN) | : 601 |
| Limited quantities (ADN) | : 5 L |
| Excepted quantities (ADN) | : E1 |
| Equipment required (ADN) | : PP, EX, A |
| Ventilation (ADN) | : VE01 |
| Number of blue cones/lights (ADN) | : 0 |

**Rail transport**

| | |
|---|---|
| Classification code (RID) | : F1 |
| Special provisions (RID) | : 601 |
| Limited quantities (RID) | : 5L |
| Excepted quantities (RID) | : E1 |
| Packing instructions (RID) | : P001, IBC03, LP01, R001 |
| Mixed packing provisions (RID) | : MP19 |
| Portable tank and bulk container instructions (RID) | : T2 |
| Portable tank and bulk container special provisions (RID) | : TP1 |
| Tank codes for RID tanks (RID) | : LGBF |
| Transport category (RID) | : 3 |
| Special provisions for carriage – Packages (RID) | : W12 |
| Colis express (express parcels) (RID) | : CE4 |
| Hazard identification number (RID) | : 30 |

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

| Reference code | Applicable on |
|---|---|
| 3(a) | LEMON ESSENTIAL OIL 100% pure and natural ITALY ; beta-Pinene ; alpha-Pinene ; gamma-Terpinene ; Myrcene ; dipentene; limonene |
| 3(b) | LEMON ESSENTIAL OIL 100% pure and natural ITALY ; beta-Pinene ; alpha-Pinene ; gamma-Terpinene ; 2,6-Octadien-1-ol,3,7-dimethyl-,(2Z)- ; Geraniol ; Myrcene ; Geranial ; Terpinolene ; dipentene; limonene |
| 3(c) | LEMON ESSENTIAL OIL 100% pure and natural ITALY ; beta-Pinene ; alpha-Pinene ; Myrcene ; Terpinolene ; dipentene; limonene |
| 40. | LEMON ESSENTIAL OIL 100% pure and natural ITALY ; beta-Pinene ; alpha-Pinene ; gamma-Terpinene ; Myrcene ; dipentene; limonene |

LEMON ESSENTIAL OIL 100% pure and natural ITALY is not on the REACH Candidate List

LEMON ESSENTIAL OIL 100% pure and natural ITALY is not on the REACH Annex XIV List

LEMON ESSENTIAL OIL 100% pure and natural ITALY is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 july 2012 concerning the export and import of hazardous chemicals.

LEMON ESSENTIAL OIL 100% pure and natural ITALY is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Full text of H- and EUH-statements: | |
|---|---|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment – Acute Hazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H361 | Suspected of damaging fertility or the unborn child. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| Repr. 2 | Reproductive toxicity, Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| Skin Sens. 1B | Skin sensitisation, category 1B |

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*